

REMARKS

Upon entry of this Amendment, claims 6, 13, and 17 are amended and claims 1-20 remain pending in this application.

eIDS

Applicant would like to call the Examiner's attention to the copies of the electronic information disclosure statements ("eIDS") attached to this Amendment. Applicant filed the attached eIDS' on June 19, 2003, July 28, 2003, and October 15, 2003, respectively. Copies of the acknowledgement receipts from the USPTO for these eIDS' are also attached for the Examiner's reference. We did not receive initialed copies of these eIDS' or any indication that the Examiner had seen the references cited on them in the Office Action issued by the Examiner. Applicant is concerned that these eIDS' did not get matched up with the correct file and thus submit copies of the eIDS' previously submitted with this Amendment in order to ensure full consideration by the Examiner.

Drawings

The Examiner has indicated on the Office Action summary that the drawings are objected to, but provides no basis or explanation for this objection in the remainder of the Office Action. Applicant is uncertain how to answer the Examiner's objections. Applicant asks that the Examiner please clarify the basis for the objection to the drawings in the next action so that the Applicant may appropriately correct the drawings to overcome the Examiner's rejections.

Claim Rejections – 35 U.S.C. §103

The Examiner rejects claims 1-5, 7, 12, 14, and 18 under 35 U.S.C. 103(a) as being unpatentable over Sikes et al. (U.S. Patent No. 5,018,213) in view of Bloemendaal et al. (U.S. Patent No. 4,225,923).

With respect to claim 1, the Examiner contends that it would have been obvious to a person of ordinary skill in the art to combine the teachings of Sikes and Bloemendaal. Applicant respectfully disagrees.

To establish a prima facie case of obviousness, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings. In re Vaeck, 947 F.2d 488, 493, 20 U.S.P.Q. 2d 1438, 1442 (Fed. Cir. 1991). In this case, the Examiner has failed to illustrate a suggestion or motivation for the combination of the references.

The apparatus taught by Bloemendaal is an illumination apparatus for use in a copy machine. The purpose of the lighting apparatus is to facilitate making a black and white duplicate of a printed document. The lighting is not used to control the ink that is printed on the substrate, but rather just to take a picture of the printed substrate. In contrast, Applicant's claimed invention is used in an ink color control system on a printing press. This is a completely different use with different requirements than the system of Bloemendaal. The purpose of the illumination apparatus in the claimed invention is to measure the colors of the ink printed on the substrate to control the quality of the printing. Effective color control requires uniform illumination of the printed substrate. Thus, the illumination systems of the claimed invention and Bloemendaal have very different purposes. One of ordinary skill in the printing industry would not look to the photocopier art for assistance in improving a printing apparatus and would

find no motivation or teaching in the references or in the general knowledge of the art to combine the Sikes and Bloemendaal references, as suggested by the Examiner. Applicant respectfully submits that the Examiner has failed to make the prima facie case and that claim 1 is thus allowable over the Sikes and Bloemendaal references.

Claims 2-5 depend from claim 1 and are therefore allowable for the reasons discussed above with respect to claim 1, as well as for other reasons not discussed herein.

With respect to Applicant's claim 12, the Examiner states that it would have been obvious to one of skill in the art to combine the apparatus of Sikes with the apparatus of Bloemendaal to teach the claimed elements. Applicant disagrees. As discussed above, the purpose for the lighting assembly of claim 12 and the lighting apparatus taught by Bloemendaal are completely different and there is no motivation or teaching in either the references or the knowledge generally available to one of skill in the art to combine the Sikes and Bloemendaal references. The arguments above with respect to claim 1 apply with equal force to claim 12.

Claim 14 depends from claim 12 and is thus allowable for the reasons discussed above with respect to claim 12, as well as for other reasons not discussed herein.

Claim Rejections – 35 U.S.C. §102

The Examiner rejects claims 6, 8-11, 13, 15-17, 19, and 20 under 35 U.S.C. 102(b) as being anticipated by Bloemendaal. Applicant respectfully disagrees.

Applicant has amended independent claim 6 to clarify that the light directed from the at least one mirror to the substrate is non-collimated. As described in the Bloemendaal patent, the light source 9 is placed substantially at the principal focus line F of the parabolic reflectors 10, 11. See col. 4, lines 14-30. Light rays emanate from a light source at the focus of a parabolic

mirror such that the light rays are collimated, i.e., parallel, after they reflect from the surface of the mirror. See col. 4, lines 30-33. Because the light rays in each bundle remain substantially parallel after reflection, the light intensity per unit area due to impinging rays is substantially constant across the length and width of the print (i.e., uniform illumination of the print). See col. 5, lines 16-20. Thus, it is the collimated light that allows the Bloemendaal apparatus to perform its function and the very design of the Bloemendaal apparatus ensures that the reflected light will be collimated.

In contrast, the apparatus of the present invention uses non-collimated light to illuminate the printed substrate. Bloemendaal teaches only the use of collimated light to ensure uniform illumination. Bloemendaal does not teach or suggest the use of non-collimated light and thus does not teach every element of amended independent claim 6. Thus, Applicant respectfully submits that claim 6 is allowable over the Bloemendaal reference.

Claims 7-11 depend from independent claim 1 and are allowable for the reasons discussed above with respect to claim 6, as well as for other reasons not discussed herein.

Applicant has amended independent claim 13 to specify that the mirrors are positioned adjacent the light source at symmetrical distances from the light source. With reference to Fig. 1 of Bloemendaal, the mirrors 12, 13 are positioned at different, asymmetrical distances from the light source 9. Thus, Bloemendaal does not teach or suggest each and every element of the claim and Applicant respectfully submits that claim 13 is allowable over the Bloemendaal reference.

Claims 14-16 depend from independent claim 13 and are allowable for the reasons discussed above with respect to claim 13, as well as for other reasons not discussed herein.

Applicant has amended independent claim 17 to specify that the light from the light source is split into dual light paths of uniform, non-collimated light. As discussed above with respect to claim 6, the apparatus of Bloemendaal is designed to utilize collimated light to achieve uniform illumination and does not teach the use of non-collimated light. Thus, Bloemendaal does not teach or suggest each and every element of the claim and Applicant respectfully submits that claim 17 is allowable over the Bloemendaal reference.

Claims 18-20 depend from independent claim 17 and are allowable for the reasons discussed above with respect to claim 17, as well as for other reasons not discussed herein.

CONCLUSION

In view of the foregoing, entry of the above amendments and allowance of claims 1-20 are respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Billie Jean Smith", written in a cursive style.

Billie Jean Smith
Reg. No. 36,940

File No. 077077-9140-00

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**UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

**Title of
Invention**

CAMERA ASSEMBLY FOR A PRINTING PRESS

Submission Type: Information Disclosure Statement

Application Number: 10/072376

*10/072

EFS ID: 42124

Server Response:

Confirmation Code	Message
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First Named Applicant: Chris Wendel

Attorney Docket Number: 077077914000

Timestamp: 2003-06-19 11:45:45 EDT

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Total files size		6

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Office,ou=Department of Commerce,o=U.S.
Government,c=US

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

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CAMERA ASSEMBLY FOR A PRINTING PRESS

Application Number: 10/072376

10/072376

Confirmation Number: 2563

First Named Applicant: Chris Wendel

Attorney Docket Number: 077077-9140-00

Art Unit: 2875

Search string: (5018213 or 20020084648 or 20030010235).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5018213	1991-05-21	Sikes			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020084648	2002-07-04	Pierce et al.			
	2	20030010235	2003-01-16	Siler			

Remarks

Note: Remarks are not for responding to an office action.

Citation of these references is respectfully requested. No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Signature

Examiner Name

Date

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Title of
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CAMERA ASSEMBLY FOR A PRINTING PRESS

Submission Type: Information Disclosure Statement

Application Number: 10/072376

*10/07

EFS ID: 44365

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First Named Applicant: Chris Wendel

Attorney Docket Number: 077077-9140-00

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Government,c=US

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Search string: (5585856 or 5724259 or 5946031 or 20020178952).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5585856	1996-12-17	Nakaya et al.			
	2	5724259	1998-03-03	Seymour et al.			
	3	5946031	1999-08-31	Douglas			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020178952	2002-12-05	Sainio et al.			

Remarks

Note: Remarks are not for responding to an office action.

Citation of these references is respectfully requested. No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Signature

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Title of
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CAMERA ASSEMBLY FOR A PRINTING PRESS

Submission Type: Information Disclosure Statement

Application Number: 10/072376

*10/072

EFS ID: 49332

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Confirmation Code	Message
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First Named Applicant: Chris Wendel

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package-data	us-package-data.xsl	
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Name: Attorneys,ou=Patent and Trademark
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Government,c=US

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Application Number: 10/072376

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Confirmation Number: 2563

First Named Applicant: Chris Wendel

Attorney Docket Number: 077077-9140-00

Art Unit: 2622

Examiner: Not Yet Assigned

Search string: (5797060 or 6009808 or 6129015 or
6295115).pn.**US Patent Documents****Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5797060	1998-08-18	Thompson			
	2	6009808	2000-01-04	Loffler			
	3	6129015	2000-10-10	Dewey			
	4	6295115	2001-09-25	Zhang et al.			

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